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Observations of Minor Planets, from photographs taken with the 30-in. Reflector of the Thompson Equatorial at the Royal Observatory, Greenwich, during the year 1906.

(*Communicated by the Astronomer Royal.*)

The following positions of minor planets were obtained from photographs taken with the 30-in. reflector during the year 1906.

The plates were measured with the astrographic micrometer. Six reference stars were, as a rule, measured with the planet, their positions being derived when possible from the Catalogues of the Astronomische Gesellschaft, or from the Radcliffe Catalogue, 1890.

The positions given are not corrected for Parallax.

Log Parallax Correction = log Parallax Factor − log Δ.

Date and G.M.T. 1906. d h m s	Apparent R.A. h m s	Apparent Dec. ° ′ ″	Log Parallax Factor. R.A.	Dec.
	(324) Bamberga.			
Apr. 14 11 1 14	12 39 36·97	−17 13 48·1	−8·223	+0·912
19 11 39 24	12 35 28·10	16 51 3·6	+8·943	0·909
25 10 33 53	12 30 54·16	16 22 50·6	+8·397	0·910
26 10 33 3	12 30 10·98	16 18 4·7	+8·500	0·909
	(278) Paulina.			
Apr. 25 10 13 58	13 29 30·55	− 1 0 7·1	−9·004	+0·842
26 11 24 48	13 28 39·43	0 59 32·3	+8·283	0·842
27 10 30 35	13 27 51·53	0 59 8·2	−8·770	0·842
	(191) Kolga.			
Apr. 28 11 0 8	14 21 35·91	+ 0 27 10·1	−8·955	+0·833
	(146) Lucina.			
Apr. 28 11 42 9	14 22 38·29	+ 3 16 50·5	−8·408	+0·815
	(443) Photographica.			
May 24 10 31 24	14 29 8·52	− 8 17 18·3	+8·162	+0·879
31 10 9 23	14 24 55·15	7 58 8·0	+8·463	0·878
	(65) Cybele.			
May 24 11 16 15	14 45 18·23	−11 0 58·8	+8·778	+0·890
31 10 37 31	14 41 19·64	10 45 10·0	+8·687	0·889
	(148) Gallia.			
May 24 11 51 35	15 2 27·91	+18 46 52·8	+8·971	+0·679

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	(504) Cora.			
May 31 11 16 57	15 35 50·38	− 4 25 21·0	+8·381	+0·861
	(92) Undine.			
May 31 11 49 17	15 46 36·07	− 9 52 12·8	+8·776	+0·885
	(487) Venetia.			
June 26 11 0 51	17 29 23·80	15 39 33·1	−8·299	+0·907
	(374) Burgundia.			
June 22 11 47 58	18 3 21·22	−11 55 20·9	−8·359	+0·894
26 11 33 56	17 59 52·17	11 47 15·6	−8·167	0·894
	(409) Aspasia.			
June 22 12 18 7	18 35 22·41	−12 42 26·5	−8·360	+0·897
22 12 51 59	18 35 21·17	12 42 18·9	+8·515	0·897
25 11 0 28	18 32 34·52	12 30 22·0	−9·103	0·893
25 11 28 31	18 32 33·44	12 30 18·1	−8·918	0·895
26 12 1 21	18 31 34·61	12 26 19·1	−8·294	0·898
	(28) Bellona.			
June 22 12 18 7	18 33 10·10	−12 44 23·3	−8·418	+0·897
22 12 51 59	18 33 8·96	12 44 23·9	+8·469	0·897
25 11 6 2	18 30 37·38	12 50 4·3	−9·065	0·895
25 11 28 31	18 30 36·50	12 50 5·5	−8·901	0·896
26 12 1 21	18 29 43·15	12 52 13·3	−8·360	0·896
	(122) Gerda.			
June 26 12 33 45	18 34 29·04	−20 52 29·8	+8·437	+0·922
	(51) Nemausa.			
June 26 13 26 8	18 47 10·66	− 6 16 13·3	+8·950	+0·869
	(7) Iris.			
July 28 12 27 29	20 33 18·57	−11 26 56·1	+8·442	+0·892
31 12 44 57	20 30 10·29	11 31 25·5	+8·908	0·891
	(378) Holmia.			
Aug. 14 11 52 22	20 34 43·06	− 7 18 36·7	+8·885	+0·874
21 10 50 11	20 29 29·86	7 45 2·2	+8·462	0·877
22 10 25 22	20 28 49·23	7 48 55·8	−7·509	0·877

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(434) Hungaria.				
July 25 13 3 36	21 31 19·97	+17 30 48·3	−8·428	+0·689
Aug. 7 11 37 33	21 22 6·04	14 37 43·9	−8·839	0·722
14 12 53 0	21 16 23·60	12 20 24·7	+9·033	0·746
15 12 56 5	21 15 35·25	11 58 45·8	+9·080	0·750
21 11 9 14	21 11 0·89	9 41 8·5	−7·812	0·766
(480) Hansa.				
Aug. 14 12 24 42	21 14 5·76	+18 43 19·0	+8·838	+0·677
15 12 34 9	21 13 13·47	18 40 17·7	+8·963	0·680
21 11 44 56	21 8 9·79	18 16 20·1	+8·756	0·682
22 10 46 34	21 7 22·50	18 11 33·0	−8·526	0·681
Sept. 7 9 18 9	20 56 11·42	16 20 30·8	−8·751	0·703
(136) Austria.				
Aug. 15 13 12 59	21 50 47·37	− 0 25 40·9	+8·947	+0·838
21 12 1 51	21 45 54·03	1 21 51·1	+8·349	0·844
22 11 24 48	21 45 6·31	1 31 37·2	−8·482	0·845
(386) Siegena.				
Aug. 7 11 51 38	22 1 18·45	+ 0 57 40·8	−9·023	+0·841
14 13 39 13	21 56 44·93	− 0 14 0·0	+9·059	0·837
15 13 32 2	21 56 4·35	− 0 24 54·9	+9·042	0·838
21 12 31 41	21 51 56·19	− 1 33 51·5	+8·770	0·845
22 12 6 4	21 51 14·90	− 1 45 44·3	+8·407	0·846
(308) Polyxo.				
Aug. 22 12 27 8	22 7 8·88	− 7 39 40·7	+8·549	+0·876
28 11 39 36	22 2 25·18	8 15 29·6	+7·509	0·879
(42) Isis.				
Aug. 28 14 46 31	23 44 1·69	−20 22 56·9	+9·165	+0·914
(26) Proserpina.				
Aug. 29 14 0 16	23 25 51·28	− 9 7 47·0	+9·010	+0·881
(478) Tergeste.				
Sept. 11 10 7 45	23 3 21·06	+12 44 57·6	−9·184	+0·746
25 11 40 33	22 53 35·71	11 10 17·6	+9·006	0·756
26 11 39 22	22 52 58·04	11 2 52·4	+9·025	0·757
27 11 21 1	22 52 21·54	10 55 29·7	+8·924	0·757
Oct. 10 10 27 36	22 45 43·85	9 16 16·1	+8·953	0·771

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(108) Hecuba.				
Sept. 26 12 16 15	0 29 18·35	+ 4 50 59·4	+7·983	+0·804
27 11 46 27	0 28 35·36	4 47 22·2	−8·483	0·804
Oct. 16 12 0 41	0 15 1·30	3 36 19·3	+9·119	0·816
(47) Aglaia.				
Sept. 26 12 42 44	0 58 33·13	+ 7 21 20·3	+7·809	+0·785
27 12 6 35	0 57 44·66	7 18 29·5	−8·653	0·786
Oct. 16 12 19 46	0 41 33·92	6 16 6·2	+9·084	0·796
23 10 20 58	0 36 17·53	5 54 41·8	−8·206	0·796
(175) Andromache.				
Sept. 26 13 22 52	1 18 13·42	+ 7 14 39·6	+8·586	+0·786
27 12 21 8	1 17 32·63	7 11 39·4	−8·724	0·787
Oct. 23 10 41 27	0 57 44·73	5 42 55·6	−8·247	0·797
(153) Hilda.				
Oct. 16 12 52 59	1 19 45·76	+13 15 40·6	+9·065	+0·738
23 11 48 14	1 15 32·48	12 40 20·3	+8·803	0·740
(500) Selinur.				
Dec. 6 10 38 13	5 14 52·34	+31 53 24·5	−9·240	+0·500
1907.				
Jan. 2 8 51 22	4 47 56·08	29 14 39·5	−9·107	0·535
(19) Fortuna.				
1906.				
Dec. 14 11 24 9	5 41 7·53	+21 6 39·2	−8·894	+0·649

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1907 *November* 8.

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Results of Micrometer Measures of Double Stars made with the 28-inch Refractor at the Royal Observatory, Greenwich, in the year 1906.

(*Communicated by the Astronomer Royal.*)

The measures were made with a bifilar position micrometer on the 28-inch refractor, focal length 28 feet. The power generally employed was 670. When bright stars were observed a blue glass shade was usually employed to diminish the light and irradiation. The observations were made in variously coloured fields or in a dark field with illuminated wires. The initials in the last column are those of the observers, viz. :—

L.	Mr. Lewis	B.	Mr. Bryant
W. B.	Mr. Bowyer	H. F.	Mr. Furner

The main portion of the measures are of pairs discovered by Hough, which usually consist of a bright star with a faint companion. The remaining measures are of stars selected from the catalogues of W. Struve, Otto Struve, Burnham, Hussey, and Aitken.

In general the present list of measures is confined to stars of which the separation is under 4″ or which show orbital motion.

The following stars, which are not included in the list of measures, have also been observed.

Hough Stars.

20	116	323	387	446 AC	501	573
26	117	327	394	448	519	576 AC
28	131	337 AB	400	452 AB	523	586
29	204	337 AC	406 AB	452 AC	534	597
30	236	343	406 AC	460	539	603
31	240	347	412	465	543	604
32	259	348	416	473	548	606
38	269	349	423	475 AC	550	611
39	281	362 AB	425	476	551	613
45	297	362 AC	426	477	552	615
64	302	365	433	478	553	616
91	305 AB	372	434	486	557	617
115	305 AC	377	440	487	570	

Struve Stars.

877	1934	2185 AB	2476 AC	2690 AB	2818 R
1297	1965	2185 AC	2585 AC	2690 AD	2824

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